Govt. of Uttarakhand
Office of the SSP Haridwar
Roshanabad, Haridwar
Uttarakhand

Tel. 01334-239777, 239109
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Web:www.Uttarakhandpolice.uk.gov.in

Tender No:-T-02/2013 **Date. 22, Feb 2013**

Short Term amended Re-tender Notice

Sealed Limited Tenders are invited by the **SENIOR SUPRINTENDENT OF POLICE HARIDWAR** from reputed , experienced , technically and financially sound manufactures / Systems Integrators / suppliers for supply, installation and commissioning, Operation and Maintenance of CCTV /Surveillance System at Haridwar as per the requirements prescribed in this document. Actual award of contract will strictly follow the conditions as per this document. This document is given for enabling the bidders to know the tender conditions so as to guide them in filling up the technical and financial bid for CCTV /Video Surveillance System at Haridwar. All right are reserved with SSP Haridwar to reject to one or all Tender without causing any reasons.

Introduction: -Supply, Installation, Commissioning, Operation and Maintenance of CCTV/ Video Surveillance System at Haridwar

- Last date & time for receipt of Bid submission : 05 .03.2013 1400 Hrs
- Date & Time of Opening of Technical Bid documents : 05.03.2013 1600 Hrs
- Date of Demonstration from : 06.03.2013 1100 Hrs -
- Demonstration place : CCTV/City Control Room at Haridwar
- Date & Time of Opening of Financial Bid documents : As per demonstration report
- Tender Fee : Rs. 550+ 13.5% vat = Rs. 625/- DD/Cash
- Earnest Money Deposit : Rs. 45000.00 [Refundable -By D.D/FDR in favour of SENIOR SUPRINTENDENT OF POLICE HARIDWAR
- Validity of Tender : 90 days
- Place of Opening tender : SSP Office Roshnabad Haridwar

1. Each tender bid shall comprise of:-
(a) Technical bid
(b) Financial bid
2. Technical bids and Financial bids shall be in separate and sealed envelope, with the title 'Technical Bid' Tender No. / 'Financial Bid' Tender No.. Both the sealed envelope insert separate a new envelope Scribed Tender no. date and tender name on the top of the cover. Details, the rate of material, total cost of material etc. should be mentioned in proper Performa in side the financial bid envelop.
3. Consortium bid is allowed, front bidder must attached the copy the agreement of consortium. which should be valid at least till the complete execution of the project with warrantee period. The financial and other qualification of consortium or front bidder must satisfy the qualification criteria of this tender.
4. The Tender document received after the prescribed date and time, will be rejected.
5. Tender will not be accepted without Tender Fee and earnest money. EMD should be submitted with technical bid.
6. Tendered shall have to deposit firm registration number, PAN, TIN No. authorization letter, last three years income tax returns, and Latest Sales tax clearance certificate.

7. All bidders are suggested to carryout site survey prior to submission of bid to ensure complete and correct bid is submitted, Department will not be responsible and will not entertain any discrepancy that may arise in BOQ\BOM during the implementation of the project. In case of any discrepancy arises \found during the implementation then bidder needs to take care of the same without any liability on Department.
8. Detailed specifications can be obtained from office of the SSP Haridwar/ Police City Control Room Haridwar and also be placed on our website www.uttarakhandpolice.uk.gov.in.
9. Tender forms can be obtained from office of the SSP Haridwar/ Police City Control Room Haridwar on payment of tender fee by cash or DD in favour to SSP Haridwar on all working days between 1000 to 1700 hrs. Tender form downloaded from our website will also be allowed. In this condition, DD of tender fee should be attached with the technical bid.
10. Delivery Period: (i) The supply of stores is required to be made within stipulated time from the date of Purchase Order. If supply is not given within stipulated time, then @ of 2% penalty would be imposed for the next three days and so on up-to10% maximum 15 days. After that purchase order will be cancelled.
11. Demonstration:- (s)/ Item(s) offered will be demonstrated by tenderer and inspected Police City Control Room Roori Belwala, Haridwar on 06.03.2013. A desired full feature live demo of CCTV System is mandatory. The following items will be installed during desired full feature demo, Two fix IP/Analog Fix camera on non-LOS wireless based system (multi point) and cable. The necessary Hardware/Software and accessories is required during desired full feature live demo will be installed by the bidder.
12. **Inspection:** Financial Offers will be opened , equipment only in respect of items found suitable by authorized Committee.
i)The Purchaser shall have the right to inspect and/or test the goods for conformity to the Contract Specifications. And any goods failing to confirm specifications can be rejected.
ii)A document comprising of the technical problems faced during installation, testing and commissioning period and their solutions shall be submitted by the Supplier at the time of handing over the completed works to ARO/RI Haridwar.
iii)For the purpose of taking over the equipment/system supplied, an Acceptance Test shall be carried out at the Purchaser destination site. The equipments that meets the acceptance test shall only be accepted by the Purchaser.
iv)The installation or commissioning shall not be deemed to have been completed unless all the equipment and System are accepted by the Purchaser.
v) Before the equipment is taken over by the Purchaser, the Supplier shall supply installation, operation, repair and maintenance manuals of the equipment/system. This shall include the (i) System Interface Drawings, (ii) System Interconnection and Block Diagrams, (iii)User Operation Manuals & (iv)Equipment Maintenance Manuals.
13. Payment Schedule: The standard payment terms subject to recoveries, if any, under the Liquidated Damages clause will be as follows: -
i)**First payment**: The Purchaser shall pay, to the Supplier, seventy percent (70%)cost of the equipment, after successful installation/commissioning of the system and receipt of Supplier's bill complete in all respects.
ii)**Final payment**: Rest 30% of contract price of equipments shall be paid after 3 Month on satisfactory working of system.
14. The tenderer will specify after-sales service and support mechanism clearly in the bid. Frequency of routine maintenance during warranty period and breakdown maintenance should also be clearly specified.
15. Liquidated damages may be imposed for defaults/inordinate delays on the part of the supplier who is also liable to be blacklisted.
16. Guarantee/ Warranty
i)The Supplier shall provide comprehensive on-site Guarantee/ Warranty for all goods/ equipment supplied under the Contract for a period of 3 (three) years from the date of final installation of the System. Supplier should also quoted rates per year separately for 5 yrs AMC after the expiry of Guarantee/ Warranty period.
ii)The Supplier must have a 24x7 onsite in Haridwar to provide maintenance service at site of installation.
iii)If the performance of any individual equipment or System fails to meet the contract specifications then

the same shall be replaced by the Supplier free of cost during the term of the warranty/guarantee period.
iv)The Supplier shall provide necessary Software updating free of cost during the warranty/guarantee period.
v)The maintenance services, including spares shall be free of cost during the warranty/ guarantee period.
vi)During the term of warranty/guarantee the service/repair calls will have to be attended by the Supplier within 24 hours from the time of such calls. The defective card/item/equipment etc .should be repaired on the same day at Purchaser's location. In case of major defects requiring the defective card/item/equipment etc. to be taken to the Supplier's workshop, it should be returned within two weeks duly repaired and the Supplier for the smooth operation of the System will provide an immediate substitute card/item/equipment. The to and fro transportation of the card/item/equipment etc. will be the responsibility of Supplier.
vii)Apart from the service/repair calls, the service engineer deputed by the Supplier will visit the site once every month to assess the serviceability of the System and thrice in a year to carryout the Preventive Maintenance and diagnostics of the system during the Warranty Period.
viii)Delays in attending the calls and or repairing the defective card/item/equipment beyond time limit specified in this Clause, without providing the substitute, will attract penalties.
ix)If the Supplier fails to repair or replace the defective Equipment/ Item, the Purchaser will be free to get the same repaired/replaced from the market and its cost will be adjusted from the Supplier's Contract Performance Security.

17. Past performance: Tendering firms are required to give their past performance with certificate of concern department.

18. Liquidated damages may be imposed for defaults/inordinate delays on the part of the supplier who is also liable to be blacklisted.

19. Security Money to the tune of 10% of the total cost of stores shall be submitted in the form of Demand Draft/FDR pledged in favour of SSP Haridwar with in 10 days from the date of issue of supply order. This will be released only after successful completion (after warranty/Guarantee)of system.

20. Tenderers are required to submit valid Trade Tax Registration No. & PAN Account and their Clearance Certificate along with the technical offer.

21. The tenderers are required to enclose self-addressed registered stamped envelope along with their technical offer.

22. Training: The Supplier shall provide, at every stage of installation, testing and Commissioning, all facilities for adequate training of Police personnel who may be deputed to work on the project.

23. Site Preparation

Tenderer/Supplier will make a visit of site & submit a proposed installation diagram with detail of necessary/supporting equipments for satisfactory working of system with tender document. (Tenderer seek cooperation from RI Haridwar in this regard.)

i) The site for installation of the System shall be provided by the Purchaser as per environmental conditions before the installation of the system.
ii) The Supplier shall provide site plan and equipment layout plan for the System.
iii) The complete installation of the system at the Purchaser's site shall be the responsibility of the Supplier.
iv) The System is to be installed at the locations as specified in **Annexure-X**.
v) Earthing arrangements for all the Equipment shall be the responsibility of the Supplier and to be carried out as per standard procedures.

24. Responsibility of Completion: Any fittings or item it may not be specially mentioned in the specifications but which are necessary are to be provided by the Supplier without any extra charge for completeness of the work under this Tender.

25. Patent/Proprietary Rights: The Supplier shall indemnify the Purchaser against all third party claims of infringement of patent, copyright, trademark, license or industrial design rights, software piracy arising from use of the goods or any part thereof in the Purchaser's country.

26. Severability: If any portion of this Contract or any of the Contract Documents hereto is held to be invalid, such provision shall be considered severable, and the remainder of this Contract hereof shall not be affected.

27. Tenderers are advised to go carefully through the tender conditions and instructions and ensure compliance before submitting their tender. Conditions other than those mentioned in the tender notice shall not ordinarily be acceptable and such offers may be ignored.
28. No representation shall be accepted after opening of financial offer.
29. Average financial turnover during last 3 Years ending 31st March submit with tender document.
Special Conditions:-
30. All the tendering firms are advised to give Name & Designation of the person signing the tender form.
31. The SSP Haridwar, Uttarakhand may increase upto 50% or decrease upto 25% of total quantity to be purchased.
32. The SSP Haridwar, Uttarakhand is empowered to accept or reject the tender at any stage without assigning any reason.
33. Governing Law: This Contract including the Contract Documents shall be governed by and construed in accordance with the laws of India and the Haridwar Courts shall have jurisdiction in this regard.
34. The successful bidder whose offer is accepted shall have to execute an agreement on a non-judicial stamp paper of Rs. 100/- within 10 days of the receipt of written order

SENIOR SUPRINTENDENT OF POLICE
HARIDWAR, UTTARAKHAND

Place: Haridwar
Date- 22, Feb 2013

SECTION – 1

1 Overview of city Haridwar

HARIDWAR is the Holy city of the Indian state of Uttarakhand and one of the fastest growing city's in Himalayas . The city is located 210 km north of National Capital New Delhi.

2 Purpose of Tender

Haridwar is situated in the bank of Holy river Ganga & several festival are being held every month, during this festival lac's of pilgrims are visiting this place . So Haridwar is very sensitive city of Uttarakhand. This city has been a prime target for inflicting maximum damage. Considering various threats which have been faced in past, Haridwar police plans to build up a comprehensive Police Control Room to be handed over to & manned, run by Haridwar City Police Department, to provide public safety with advance video surveillance system . The video Surveillance system shall be one of the components of the Government's overall plan to combat terrorist threats and shall also serve as one of the tools to reduce and combat general criminal activities. The Haridwar City Police is trying to take this as an initiative, and shall cover maximum critical and important points across the city. Also looking at long term project and consolidating the upcoming requirement of capacity and keeping in mind future integrations.

General details of Tender

3. General Technical Requirement

i. The technical specifications specified in this volume are the minimum suggestive specifications.

ii. Bids not meeting these minimum suggestive technical specifications are liable to be rejected. In case the equipment quoted exceeds/differ with the Tender technical specifications, the same should be clearly mentioned along with justification.

iii. The bidder can indicate missing components if any, that may be considered necessary in his bid to implement and operate the facility to meet the required objectives of the project as has been laid down in this document.

iv. The bidder will offer equipment's that will best accommodate and meet the present and future requirements of Haridwar City Police.

v. The equipment supplied should tolerate Indian power and weather conditions. Further, all equipment's shall comply with the applicable power and safety standards.

vi. Bidder to specify required line voltage, voltage tolerance, frequency tolerance, max. Current consumption, max power consumption, maximum operating temperature, maximum operating humidity for each of the equipment used in Control Room.

vii. One set of service and operation/instruction manual is required to be supplied with each of the equipment.

viii. All the equipment's should be latest and of the prevailing/current standard production of the manufacturer at the time of the proposal.

xi. The successful bidder is required to supply the latest version of licensed software, providing all the features enumerated in this specification, at the time of award of contract. Equipment must be compatible with other Network vendor equipment.

4. Benefits for Haridwar City Police Department

i. Police Department should be able to monitor on-ground activity '24x7' & also Command 24 x 7.

ii. 24 x 7 intelligent monitoring of public places should be recorded for minimum 30 days at Police control Room Haridwar.

iii. Facility at Police control Room Haridwar, should have capabilities to monitor more cameras (minimum 16 cameras from one workstation) at a time, with selection. Police control Room Haridwar should also capable to down-load last 30 days footages of stored images/video to prepare turnaround time in responding to any investigation of any case, faster access to evidence in case of security breach, law violation in the premises.

5. Police Control Room (PCR)

The Police Control Room of Haridwar City located at Mela Bhawan Near Roori Belwala Har Ki Pauri Haridwar requires to be upgraded to make all security solutions and communication system of Haridwar City Police installed in different points of the city. Required feeds from respective Traffic Zones would be integrated with PCR Haridwar Server application at Police Control Room Haridwar City.

6. Scope of Work -Overview

i. Haridwar City Police has initially planned to roll out 08 locations with approximate 15 cameras .

ii. All respective locations where video surveillance is required are Mapped to respective namely point wise will be connected to Police Control Room Haridwar.

iii. For video management system (Software)

vii. The bidder will carry out Final Acceptance test for the entire Solution, Provide Training, Documentation, Warranty (3 years) And Post Warranty Maintenance for further 2 years.

viii. Haridwar City Police will assist in obtaining all necessary & Leg Permissions, NOC (No Objection Certificate) from various departments to execute Surveillance project. However, Bidder should provide & manage all necessary paper work to grant said permission from respective authorities. No commercial/legal fees will be applicable as this will be taken care of by Haridwar City Police.

ix. The electricity connection at various points would be provided by the Haridwar City Police to the bidder.

x. The prime bidder will carry out configuration of the system by setting up parameters that will provide a fully functional system. The parameters decided should be monitored during FAT (Final Acceptance Test).

xi. Bidder shall act as single point of contact to organize and manage the entire project – including design, supply, installation, testing, commissioning & maintenance of all required hardware, software, networking, accessory items like electrical infrastructure etc. as per the project requirements and for the equipment.

xii. If the offers received are without bidder having carried out the site visit / Survey, it would be considered that the bidder has understood the requirement fully and shall comply with the functional requirements of the offered system including the scope of work/ services in totality at their own risk and cost.

xiii. The bidder shall provide warranty and maintenance support of the entire system for the complete project tenure from the date of FAT.

xiv. Further bidder shall maintain the system and subsystems during warranty period so as to ensure zero failure / downtime of the entire system.

7. Overview and General Details of the Scope of Work- The listed components are the general guide line for the solution. The system being planned to be setup must comprise of state-of-the-art systems (H/W, S/W, backhaul etc.) which should collectively offer high uptime & 24x7 Monitoring. Bidder must offer complete end-to-end solutions.

Also in addition to the above roll out plan, Haridwar City Police will also need to support certain independent parties who shall also implement surveillance at their level. This end mile may not directly be part of the current roll out network but, needs to have readiness and capability of seamless integration with the proposed network as on demand. Haridwar City Police shall also like to invite plans and freeze the procurement specification with one or multiple qualified bidders, who can further offer their services for this additional surveillance requirement.

SECTION- 2

Pre-Qualification / Eligibility Criteria

The prime bidder should have past experience in implementing / developing CCTV solutions, having domain knowledge of City Surveillance project and experience of deploying similar solutions.

Keeping in view the complexity & volume of the work involved, the following criteria are prescribed as pre-qualification criteria for bidder interested in undertaking project. The bidder must possess the technical know – how and the financial strength that would be required for successful implementation of the project and support services sought by Haridwar City Police for the entire period of contract.

The bids must be complete in all respect and should cover the entire scope of work along with the technical bid document.

Bidder must submit eligibility and qualification criteria along with technical bid. Kindly Note, bidder should submit two separate covers while submitting offer to **SENIOR SUPRINTENDENT OF POLICE HARIDWAR** i.e. technical bid and financial bid respectively.

There need to be One (1) copies of the Technical Bid – One (1) Original and Two (2) Copies along with soft copy . Only qualified bidder from technical evaluation will be called for opening financial bid.

Successful bidder will have to enter in to tri party agreement with Haridwar City Police department and Network provider to ensure Quality of Service (QoS) and support for three years.

Pre-Qualification Criteria	**Supporting Documents to be enclosed with the Bid**
Bidder should be registered in India under Companies Act 1956	Certificate of Incorporation
The bidder shall be a reputable Indian / Multinational Company with primary business in Technology; and it must also be either an Original Equipment Manufacturer or Authorized system Integrator(s) of the principle OEM, in India.	Service Tax Registration Certificate for the said services. VAT Registration Certificates
The bidder shall have Capable in Command & Control Center functioning and also specially in Systems integration, solution architecting project implementation/communication experience, knowledge about technology trends and also experience in large project	Copies of relevant work-order for the past three years/work completion certificates
JV Agreement copy	JV Agreement Copy
Bidder must have experience for at least 3 years in the relevant field of supply, installation, commissioning, maintenance of services like	Copies of relevant work-order for the past three years/work completion certificates
Surveillance Cameras/radio (Base and s.u.) Coaxial network	As per requirement
Bidder must have completed at least one similar projects for Command & Control Center during the previous three years	Copies of relevant work-order for the past three years
Do you have experience in implementing CCTV Surveillance Cameras infrastructure in an integrated environment i.e. ability of interfacing with other	Copies of Work Order & Work Completion certificates

Security Surveillance System and traffic management system	
The bidder should be authorized by its OEM/s (for all the Systems) to quote the bid	OEMs Authorization latest
OEM, Bidder both should validate and provide letter stating product are not end of life cycle (for five years) and should support and software upgrade for 5 years from the date of installation	Relevant Documents & self certification
Bidder should have an office in uttarakhand or should be ready to open up an office in Haridwar / Deharadun within one of month of the award of contract.	Relevant Document for Address Proof
Bidder should have duly filed Income Tax Returns, Service Tax and other applicable taxes for the past three years	Relevant Documents
Prime bidder including the consortium members shall not be under a declaration of ineligibility for corrupt or fraudulent practices or blacklisted with any of the Government agencies.	Self-Certification
Bidder must submit an EMD of Rs.45000.00 (Forty Five Thousand only) in the form of Demand Draft only, favoring SENIOR SUPRINTENDENT OF POLICE, HARIDWAR	To be submitted in original
Tender Fee Rs. 550+ 13.5% vat = Rs. 625/- DD/Cash	To be submitted in original

SECTION- 3

Instructions to Bidders

1: BIDDING DOCUMENTS

Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or submitting a Bid not substantially responsive to the bidding documents in every respect may result in the rejection of the Bid.

2: CLARIFICATION ON BIDDING DOCUMENTS

Bidders can seek written clarifications within 5 days from the last date of issue of the tender documents, to Chairman, Haridwar CCTV Surveillance Committee, and SENIOR SUPRINTENDENT OF POLICE HARIDWAR.

3: AMENDMENT OF BIDDING DOCUMENTS

1. At any time prior to the deadline for submission of bids, SENIOR SUPRINTENDENT OF POLICE HARIDWAR for any reason, whether at its own initiative or in response to the clarifications requested by prospective bidders may modify the bidding documents by amendment.

2. SENIOR SUPRINTENDENT OF POLICE HARIDWAR also reserves the right to change any bid condition including technical specifications even after inviting the proposals with/without prior notification.

3. All prospective bidders who have received the bidding documents will be notified of the amendment and such modification will be binding on them.

4. In order to allow prospective bidders a reasonable time to take the amendment into account in preparing their bids, SENIOR SUPRINTENDENT OF POLICE HARIDWAR , at its discretion, may extend the deadline for the submission of bids.

SECTION- 4

GENERAL CONDITIONS OF CONTRACT AND RESTRICTIONS

1. Definitions

In this Contract, the following terms shall be interpreted as indicated:

1. "The Contract" means the agreement entered into between the Purchaser and the Supplier, as recorded in the Contract Form signed by the parties, including all the attachments and appendices there to and all documents incorporated by reference therein;
2. "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations;
3. "The Goods" means all the equipment, machinery, and/or other materials which the Supplier is required to supply to the Purchaser under the Contract;
4. "Services" means services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training and other obligations of the Supplier covered under the Contract;
5. "GCC" means the General Conditions of Contract contained in this section.
6. "The Purchaser" means the organization purchasing the Goods
7. "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
8. "Day" means calendar day.

2. Country of Origin

1. For purposes of this Clause "origin" means the place where the Goods are mined, grown or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing or substantial and major assembling of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
2. The origin of Goods and Services is distinct from the nationality of the Supplier.

3. Turnover

Certified of gross sales turnover of supplying establishment of past three years, certified by Charted Accountant, which shall be not less than,

4. Sale Tax/Trade Tax

The bidder should submit a copy of their sale tax/Trade Tax registration certificate and latest sale/Trade tax clearance certificate

5. Standards

The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standard appropriate to the Goods' country of origin and such standards shall be the latest issued by the concerned institution.

6. Use of Contract Documents and Information

1. The Supplier shall not, without the Purchaser's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of the Purchaser in connection therewith, to any person other than a person employed by the Supplier in performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
2. Any document, other than the Contract itself, enumerated shall remain the property of the Purchaser and shall be returned (in all copies) to the Purchaser on completion of the Supplier's performance under the Contract if so required by the Purchaser.
3. The supplier shall permit the purchaser to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by the officers appointed by the purchaser, if so required by the Purchaser.

7. Patent Rights

The Supplier shall indemnify the Purchaser against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the Goods or any part thereof in India.

8. Performance Security

1. Within 10 days after the Supplier's receipt of Notification of Award, the Supplier shall furnish Performance Security in favor of SSP Haridwar to the Purchaser for an amount of 10% of the contract value, valid up to 60 days after the date of completion of performance obligations including warranty obligations.
2. The proceeds of the performance security shall be payable to the Purchaser as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
3. The Performance Security shall be denominated in Indian Rupees
4. A Bank guarantee issued by a nationalized/scheduled bank located in India in the form provided in the bidding documents or another form acceptable to the Purchaser
5. The Performance Security will be discharged by the Purchaser and returned to the Supplier not later than 60 days following the date of completion of the Supplier's performance obligations, including the warranty obligation, under the contract.

6. In the event of any correction of defects or replacement of defective material during the warranty period, the warranty for the corrected/replaced material shall be extended to a further period of 12 months and the Performance Bank Guarantee for proportionate value shall be extended 60 days over and above the extended warranty period.
7. In the event of any contract amendment, the Supplier shall, within 21 days of receipt of such amendment furnish the amendment to the Performance Security, rendering the same valid for the duration of the Contract, as amended for 60 days after the completion of performance obligations including warranty Obligations.
8. If the supplier fails to perform any duties in the contract period or any breach of contract, the performance Security shall be forfeited.

9. Inspections and Tests

1. The Purchaser or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Purchaser. The Purchaser shall notify the Supplier in writing in a timely manner of the identity of any representatives retained for these purposes.
2. The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery and/or at the Goods final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data - shall be furnished to the inspectors at no charge to the Purchaser.
3. Should any inspected or tested Goods fail to conform to the specifications, the Purchaser may reject the goods and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Purchaser.
4. The Purchaser's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival at Project Site shall in no way be limited or waived by reason of the Goods having previously been inspected, tested and passed by the Purchaser or its representative prior to the Goods shipment.
5. The purchaser may ask the supplier to demonstrate the quoted model of equipment to confirm the quality and performance at no extra cost. If the equipments fails to meet the quality and performance, the bidder shall be disqualified

10. Packing

1. The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.

2. The packing, marking and documentation within and outside the packages shall comply strictly with such special requirements as shall be provided for in the Contract including additional requirements, if any, and in any subsequent instructions ordered by the Purchaser.

11. Delivery and Documents

Delivery of the Goods shall be made by the Supplier in accordance with the terms specified by the Purchaser in the Notification of Award. The details of shipping and/or other documents to be furnished by the supplier

12. Insurance

1. The Goods supplied under the Contract shall be fully insured against loss or damage incidental to manufacture or acquisition, transportation, storage and delivery.
2. For delivery of goods at site, the insurance shall be obtained by the Supplier in an amount equal to 110% of the value of the goods from "warehouse to warehouse" (final destinations) on “All Risks" basis including War Risks and Strikes.

13. Transportation

Where the Supplier is required under the Contract to transport the Goods to a specified place of destination within India defined as Project site, transport to such place of destination in India including insurance, as shall be specified in the Contract, shall be arranged by the Supplier, and the related cost shall be included in the Contract Price.

14. Incidental Services

The supplier may be required to provide any or all of the following services, including additional services.

(a) Performance or supervision of the on-site assembly and/or start-up of the supplied Goods;

(b) Furnishing of tools required for assembly and/or maintenance of the supplied Goods;

(c) Furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods;

(d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and

(e) Training of the Purchaser's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance and/or repair of the supplied Goods. Furnishing of detailed operations and maintenance manual for each appropriate unit of supplied Goods Original Equipment Manufacturer (OEM) should ensure that in house biomedical staff of the consignee should be able to rectify all kinds of problems; for which it is mandatory for OEM /Supplier to impart Factory / workshop training and technical know how to biomedical engineering staff for preventive maintenance, servicing, faults diagnostics.

15. Spare Parts

1. The spare parts of the quoted model should be available for minimum 10years from the date of successful installation.

16. Warranty and Comprehensive Maintenance Contract (CMC)

1. The Supplier warrants that the Goods supplied under this Contract are new, unused, of the most recent or current models and those they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Purchaser's Specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
2. The Purchaser shall promptly notify the Supplier in writing of any claims arising under this warranty.
3. Upon receipt of such notice, the Supplier shall, within the period specified in the contract and with all reasonable speed, repair or replace the defective Goods or parts thereof, without cost to the Purchaser other than, where Applicable, the cost of inland delivery of the repaired or replaced Goods or parts from ex-

works or ex-factory or ex-showroom to the final destination. If the Supplier, having been notified, fails to remedy the defect(s) within the period specified , the Purchaser may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

4. The authorized supplier also responsible for warranty and CMC services.

17. Payment

Payment for Goods and Services shall be made as follows:

1. The Supplier's request(s) for payment shall be made to the Purchaser in writing, accompanied by an invoice in triplicate describing, as appropriate, the Goods delivered and the Services performed, and upon fulfillment of other obligations stipulated in the contract.

2. The standard payment terms subject to recoveries, if any, under the Liquidated Damages clause will be as follows: -

i)**First payment**: The Purchaser shall pay, to the Supplier, seventy percent (70%)cost of the equipment, after successful installation/commissioning of the system and receipt of Supplier's bill complete in all respects.

ii)**Final payment**: Rest 30% of contract price of equipments shall be paid after 3 Month on satisfactory working of system.The supplier shall mail the following documents to the purchaser with a copy to the insurance company:

(i) Three Copies of the Supplier invoice showing contract number, goods' description, quantity, and unit price, total amount;

(ii) Acknowledgment of receipt of goods from the consignee(s);

(iii) Three Copies of packing list identifying the contents of each package;

(iv) Insurance Certificate;

(v) Manufacturer's/Supplier's warranty certificate;

(vi) Inspection Certificate, If any issued by the nominated inspection agency, and the Supplier's factory inspection report; and

(vii) Certificate of Origin.

3. Where payments are to be effected through Letter of Credit (LC), the same shall be subject to the latest Uniform Customs and Practice for Documentary Credit, of the International Chamber of Commerce;

4. The LC will be confirmed at Supplier's cost if requested specifically by the Supplier;

5. If LC is required to be extended/ reinstated for reasons not attributable to the Purchaser, the charges thereof shall be to the Supplier's account.

6. Payment of Comprehensive Maintenance Charges- the Comprehensive Maintenance & Repair Cost (after warranty period) shall be paid in equal yearly installments after receipt of claim at the start of each year, after completion of warranty period.

18. Prices

Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid, with the exception of any price adjustments authorized or in the Purchaser's request for bid validity extension, as the case may be.

19. Change Orders

The Purchaser may at any time, by written order given to the Supplier, make changes within the general scope of the Contract in any one or more of the following:

(a) Drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Purchaser;

(b) The method of shipping or packing;

(c) The place of delivery; and/or

(d) The Services to be provided by the Supplier.

If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this clause must be asserted within thirty (30) days from the date of the

Supplier's receipt of the Purchaser's change order.

20. Contract Amendments

No variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

21. Assignment

The Supplier shall not assign, in whole or in part, its obligations to perform under the Contract, except with the Purchaser's prior written consent.

22. Subcontracts (for Turn Key projects only)

The Supplier shall notify the Purchaser in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in his original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.

23. Delays in the Supplier's Performance

1. Delivery of the Goods and performance of the Services shall be made by the Supplier in accordance with the time schedule specified by the Purchaser in the Schedule of Requirements.

2. If at any time during performance of the Contract, the Supplier or its sub-contractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Purchaser in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Purchaser shall evaluate the situation and may, at its discretion, extend the Supplier's time for performance with or without liquidated damages, in which case the extension shall be ratified by the parties by amendment of the Contract.

24. PENALTY CLAUSE

1. Penalties for delay in implementation

After the expiry of the stipulated delivery period, which includes delivery extension period if any, the bidder shall be liable to pay the penalty – which shall be deducted from the payment due to him at the rate of 0.25% of the total amount per week up to a maximum of 5%. If the bidder fails to supply all the items within stipulated

delivery period then the bidder's order stands cancelled for the remaining items and the security deposit shall be forfeited by the SENIOR SUPRINTENDENT OF POLICE HARIDWAR.

2. Operational Penalties

The Bidder shall repair / replace all faulty material covered under the warranty within the shortest possible time thus ensuring minimum downtime as mentioned in point no's

I. failing which applicable penalty will be imposed. The following penalties for Operational Deficiencies shall apply:

II. The Bidder shall be responsible for maintaining the desired performance and availability of the system/services. Vender should ensure the prompt service support during Warrantee period. If complaint is made, the same should be attended as follows.

(a) Within 4 hours

(b) If the Bidder fails to attend the call as specified above, the following penalty will be imposed on each delayed day, which will be recovered against / from performance bank Guarantee, submitted by Bidder.

(i) Operational penalty will be imposed as a sum equivalent to 0.25 % of the algebraic sum of the cost for the equipment's installed at that particular site / sites, for each day delay or part there of delay, until actual delivery of agreed / required performance of the equipment's.

(ii) If problem is not attended within 6 working days, a sum equivalent to 1 % of the algebraic sum of the cost for the equipment's installed at that particular site / sites, for each day delay or part there of delay until actual delivery of agreed / required performance of the equipment's. The maximum penalty for delay shall not exceed 5% of the algebraic sum of the cost for the equipment's installed at that particular site / Sites.

25. Termination for Default

The Purchaser may, without prejudice to any other remedy for breach of contract, by written notice of default sent to the Supplier, terminate the Contract in whole or part:

(a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract,

or within any extension thereof granted by the Purchaser ; or

(b) if the Supplier fails to perform any other obligation(s) under the Contract.

(c) if the Supplier, in the judgment of the Purchaser has engaged in fraud and corruption, in competing for or in executing the Contract. In the event the Purchaser terminates the Contract in whole or in part, the Purchaser may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Purchaser for any excess costs for such similar Goods or Services. However, the Supplier shall continue the performance of the Contract to the extent not terminated.

26. Force Majeure

1. The Supplier shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

2. For purposes of this Clause, "Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not limited to, acts of the Purchaser either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

3. If a Force Majeure situation arises, the Supplier shall promptly notify the Purchaser in writing of such conditions and the cause thereof. Unless otherwise directed by the Purchaser in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

27. Termination for Insolvency

The Purchaser may at any time terminate the Contract by giving written notice to the Supplier, if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Purchaser.

28. Termination for Convenience

1. The Purchaser, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Purchaser's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.

2. The Goods that are complete and ready for shipment within 30 days after the Supplier's receipt of notice of termination shall be accepted by the Purchaser at the Contract terms and prices. For the remaining Goods, the Purchaser may efect:

(a) to have any portion completed and delivered at the Contract terms and prices; and/or

(b) to cancel the remainder and pay to the Supplier an agreed amount for partially completed Goods and for materials and parts previously procured by the Supplier.

29. Settlement of Disputes

1. The Purchaser and the supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.

2. If, after thirty (30) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Purchaser or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given.

3. Any dispute or difference in respect of which a notice of intention to commence arbitration has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract.

4. Arbitration proceedings shall be conducted in accordance with the rules of procedure

5. Notwithstanding any reference to arbitration herein, the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and the Purchaser shall pay the Supplier any monies due the Supplier.

6. In case of Dispute or difference arising between the Purchaser and a supplier relating to any matter

arising out of or connected with this agreement, such disputes or difference shall be settled in accordance with the Arbitration and Conciliation Act, 1996. The arbitral tribunal shall consist of 3 arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative Dispute Resolution (India).

7. In the case of a dispute with a Foreign Supplier, the dispute shall be settled in accordance with provisions of UNCITRAL (United Nations Commission on International Trade Law) Arbitration Rules. The Arbitral Tribunal shall consist of three Arbitrators one each to be appointed by the Purchaser and the Supplier. The third Arbitrator shall be chosen by the two Arbitrators so appointed by the Parties, and shall act as presiding arbitrator. In case of failure of the two arbitrators appointed by the parties to reach upon a consensus within a period of 30 days from the appointment of the arbitrator appointed subsequently, the Presiding Arbitrator shall be appointed by the Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre of Alternative Dispute Resolution (India).

8. If one of the parties fails to appoint its arbitrator in pursuance of sub-clause above, within 30 days after receipt of the notice of the appointment of its arbitrator by the other party, then the Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative dispute Resolution (India), both in cases of the Foreign supplier as well as Indian supplier, shall appoint the arbitrator. A certified copy of the order of the Indian Council of Arbitration/President of the Institution of Engineers (India)/The International Centre for Alternative Disputes Resolution (India), making such an appointment shall be furnished to each of the parties.

9. Arbitration proceedings shall be held at Haridwar, India, and the language of the arbitration proceedings and that of all documents and communications between the parties shall be English.

10. The decision of the majority of arbitrators shall be final and binding upon both parties. The cost and expenses of Arbitration proceedings will be paid as determined by the arbitral tribunal. However, the expenses incurred by each party in connection with the preparation, presentation etc. of its proceedings as also the fees and expenses paid to the arbitrator appointed by such party or on its behalf shall be borne by each party itself.

30. Limitation of Liability

Except in cases of criminal negligence or willful misconduct, and in the case of infringement

(a) the Supplier shall not be liable to the Purchaser, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Purchaser; and

(b) The aggregate liability of the Supplier to the Purchaser, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment

31. Governing Language

The contract shall be written in English language version of the Contract shall govern its interpretation. All correspondence and other documents pertaining to the Contract which are exchanged by the parties shall be written in the same language.

32. Applicable Law

The Contract shall be interpreted in accordance with the laws of the Union of India.

33. Taxes and Duties

Suppliers shall be entirely responsible for all taxes, duties, license fees, octroi, road permits, etc., incurred until delivery of the contracted Goods to the Purchaser.

34. Fraud and Corruption

The purchaser requires that the Bidders, Suppliers, Contractors, and Consultants under this contracts,

observe the highest standard of ethics during the procurement and execution of such contracts. In pursuit of this policy, the purchaser defines, for the purposes of this provision, the terms set forth below as follows:

(i) "corrupt practice" means the offering, giving, receiving, or soliciting, directly or indirectly, of anything of value to influence the action of a public official in the procurement process or in contract execution;

(ii) "fraudulent practice" means a misrepresentation or omission of facts in order to influence a procurement process or the execution of a contract;

(iii) "collusive practice" means a scheme or arrangement between two or more Bidders, with or without the knowledge of the borrower, designed to establish bid prices at artificial, non competitive levels; and

(iv) "coercive practice" means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the procurement process or affect the execution of a contract;
purchaser have the right to inspect their accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by the purchaser. If the supplier firm founds faulty purchaser can take appropriate action against the supplying firm

35. Miscellaneous Conditions

1. If the supplier firm founds faulty (any type of breach of contract) purchaser can take appropriate action against the supplying firm including "blacklisting of the firm".
2. Goods to be installed within 15 days from date of supply. Pre – requisites for Installation should be clearly mentioned at the time of submitting the bid.
3. Any conditions specified as special conditions of the contract (SCC) with the technical specification, the SCC shall overrule the GCC in the particular matter.
4. Installation should include minor Civil Works, Electrical Works & Mechanical Fabrication Works. Consignee shall provide the required space/room and electrical supply.
5. Following should be compulsory supplied to each of the consignee(Note- all written material should be preferably in both English and local language i.e. Hindi)
6. All necessary attachments required to run the System / Unit. Installation manual, Operative manual, Day to day maintenance manual / chart, Dos and Don'ts manual/chart.
7. .Mention if the unit can be used Off Line UPS, on line UPS, Petrol Generator, or Diesel Generator.
8. All the judiciary procedures against this tender shall be under the Jurisdiction of Haridwar (Uttarakhand)
9. One additional copies of all the above along with one copies of service Manual (complete with Preventive maintenance, troubleshooting, fault finding, repairs manual, comprehensive & authentic circuit Diagrams, etc.) should be submitted to SSP HARIDWAR for necessary verification and certification of the same.
10. System / Unit models having minimum life span with good functional working of minimum 10 years should only be quoted.

36. SERVICE TERMS

1 The entire scope of the work depends on the technical skill and experience in management of the same level or kind of infrastructure.

2 It is mandatory for Bidder to deploy qualified professional to install, commission & maintain the equipment's, as defined under scope of work.

3 The Bidder is free to deploy or develop application to facilitate the operation. Haridwar City Police will welcome the deployment such application in respect to improve Quality of Services.

4 The understanding of the comprehensive maintenance is as follows.

5. In case of failure, the Bidder needs to replace or repair the faulty part/component/device to restore the services at the earliest.

6. The cost of the repairing or replacement of faulty part/component/device has to be entirely borne by the Bidder.

7. All expenses related to part/component/device, including hiring of specialized technical expertise, in case required, has to be borne by the Bidder as part of comprehensive maintenance.

8. The Bidder also needs to make alternate arrangement in case any major failure happens in the network, due to which services may be affected for longer period, also safety precaution's for lighting, thundering be provided.

9. After repairing or replacement of the part/component/device, the Bidder needs to put the same into operation.

37. SOFTWARE LICENCES

The Bidder shall be responsible for providing Software (System Software, Application Software, Device Drivers, IOS, etc) required, as well as their licenses, if any, to meet any requirements during the currency of the Agreement without any additional cost to SENIOR SUPRINTENDENT OF POLICE HARIDWAR.

38. INSTALLATION OF ADDITIONAL HARDWARE

During the currency of the Agreement, for any additional requirement of equipment including interface equipment, the specifications will be provided by the Bidder to SENIOR SUPRINTENDENT OF POLICE HARIDWAR.

Seal and signature of Director /
Representative of the firm
On behalf of the firm submitting
Tender
Telephone: ……
Mobile: ……..
Fax: …….
Mail: …….
Contact Person Name: ……
Contact Person Designation-----

SECTION-5

To be filled by bidder

Following details required for all consortium members Sr. No.	Name & Full Address of the firm:	Conformance Yes/No
1	Registered Office with Address (Copy of registration certificate of firm may be enclosed)	
2	Income Tax PAN no.	
3	TIN No.	
4	Sales tax Clearance Certificate of last financial year.	
5	Whether limited company or Pvt. ltd. or partnership	
6	If Private limited or Public company, then name & Address of directors.	
7	Name & Addresses of the persons who will represent the firm.	
8	Turnover for the last three years. Self or JV Partner 2010-11 2011-12 2012-13(Projected)	
9	Do you have Technology as your primary business in; and are you an Original Equipment Manufacturer or Authorized system Integrator(s) of the principle OEM, in India.	
10	Do you have experience in Command & Control Center functioning and also specially in Systems integration, solution architecting project implementation/communication experience, knowledge about technology trends and also experience in large project implementation and monitoring experience, program management and operations control.	
11	Do you have experience for at least 3 years in the relevant field of supply, installation, commissioning, maintenance of services like CCTV Surveillance Cameras	
12	Have you completed at least One similar projects for CCTV Surveillance Cameras during the previous three years	
13	Do you have experience in implementing CCTV Surveillance Cameras infrastructure in an integrated environment i.e. ability of interfacing with other Security Surveillance System and traffic management system	
14	Are you authorized by your OEM/s (for all the Systems) to quote the bid	
15	Do you have a back-to-back support from OEM for all the System. Attach Undertaking of the Original Equipment Manufacturer	
16	Do you have after Sales Service Centers (SSC), adequately equipped, with requisite spare parts etc., in	

	Deharadun/Haridwar.	
17	Do you have an office in Uttarakhand or are you ready to open up an office in Deharadun/Haridwar within one of month of the award of contract.	
18	Have you given letter from OEM, Bidder both validating and stating product are not end of life cycle (for five years) and that support and software upgrade would be provided for 5 years from the date of installation.	
19	Have you or JV Partner duly filed Income Tax Returns, Service Tax and other applicable taxes for the past three years	
20	Have you been blacklisted by any government authority in India will not be eligible.	

Seal and signature of Director / Representative of the firm
On behalf of the firm submitting tender
Telephone: ……
Mobile: ……..
Fax: …….
Mail: …….
Contact Person Name: ……
Contact Person Designation: ……

SECTION-6

Technical Data Sheet-

The CCTV System shall be Video Management based and shall provide viewing and recording of all the cameras.	Conformance Yes/ No
All the equipment's of CCTV namely, Weather proof FIX camera shall be reputed company make only.	
Following authorizations shall be made available from the CCTV manufacturer: a) Technical compliance to the specifications should be vetted by Manufacturer. b) MAF from OEM is must for bidder c) Authorization that the items quoted by the bidder are in production and would be serviceable for at-least 5 years from the date of tender. No obsolete products should be quoted. d) Compliance to the standards for the products listed. e) Letter from Manufacturer & software developer, with or without potency, for supporting the system for at least 5 years. f) The manufacturer shall have service center in India or Indian OEM , if the contract is awarded, vendor shall have its office & service center in local region of supply	
Manufacturer products shall have quality system compliance with the ISO Certification.	
All the CCTV products quoted must have at least one of these CE or UL, FCC or CSA or IEC certified (Certification must be attached).	
All the equipment of external fitment should be IP-66 or NEMA-4 complied .	
Manufacturer must provide reference list of installation (at least One)for similar products/ components.(Central Government Organization)	
The warranty shall consist of repairing or replacing defective parts for a period of 3 years from the date of supply & commissioning.	
Firmware upgrades shall be free of charge during the warranty period.	
Any Software updates and upgrades shall be free of charge during the warranty period	
Camera offered should be ONVIF compliant.	
Software of CCTV is compatible to Support up to 32 CAM.	

ANNEXURE-X.

Proposed Junctions

S.No.	Name of the Junctions	Medium of Transmission
1	Out side Railway Station	Radio Base
2	Jairam Turn	Radio Base
3	Jagjeetpur	Cable
4	Pul Jatwada Jwalapur	Radio Base
5	Thana Bahadrabad (Kali mata Tirha)	Cable
6	Bhupatwala check post	Cable
7	Deshrakshak Tiraha Kankhal	Radio Base
8	Chandi Chowk	Radio Base

Proposed –

1.Supplier should ensure that all the equipments being supplied by agency in this tender must be compatible with existing legacy equipments ,any new equipment should work in place of old equipment and visa-versa.
2.Pole will be provided by Purchaser and an installation/ transportation of the Poles will be done by the Bidder.

Requirement of Equipment (Bill of Material)

S.No.	Name of Equipment/Item	No. of Qty.	Unit Price	Total Amount
1	IP FIX Camera 2Megapixal D/N and IR(Make- Samsung, sonny, levalone, infinova, Glotech)	9		
2	Analog Camera Dl resolution D/N and IR(Make- Samsung, sonny, levalone, infinova, Glotech, Panasonic)	6		
3	S.U./CPE	5		
4	Base Radio	1		
5	Point 2 Point Radio (Pair)	1 pair		
6	LED 42" Monitor (LG, Toshiba, Sony, Panasonic)	1		
7	PC (Make- Dell, HP, Lenova, HCL, IBM)	1		
8	DVR 4port with 1TB HDD(Make- Samsung, sonny, levalone, infinova, Glotech, Panasonic)	3		
9	LED 17" Monitor	3		
10	UPS 1 KVA 1hrs backup	9		
11	2 KVA online Servo	4		
12	3 KVA online Servo	5		
13	Coaxial cable	500 Miters		
14	junction boxes	5		
15	Laptop (Atom Processor, Dual core, 2GB RAM, 320HDD, 10.1" Screen) Make- Dell, HP, Lenova, HCL, IBM	1		
16	Complete Installation Charge	One Lot		
			Total Amount in INR	

SPECIFICATION OF MATERIAL

1. FIX IP 2 Mega Pixel CAM with IR (outdoor)

S.No.	Item	Features
1	Resolution	2MP
2	Video Compression	Main Stream: H.264/Secondary Stream: H.264 / MJPEG
3	Image Sensor	2MP ½.5" CMOS; Set switch filter, and support day & night shift, infrared, support photosensitive resistance signal linkage, support CS Mount lens; Color 0.6 Lux@F1.2, black and white 0.08 Lux@F1.2
4	data rate	32Kbps ~ 8Mbps
5	Audio Input	1 X Line-In(Single Mono)
6	Audio Output	1 Line on-off input
7	Audio Compression	G.711 / AAC-LC
8	Alarm Input	One line on-off input
9	Alarm Out	1 X Line-Output (Output DC5V/20mA Electrical Level)
10	Protocols Supporting	TCP/IP, UDP, Multicast, DHCP, SMTP, HTTP, SNMP, RTSP, RTP

11	Min Illumination	1 lux (F1.8, 50IRE, ICR ON)
12	White Balance	Auto, Indoor, Output, One-push, Manual
13	Focus Control	Auto
14	B.l. Compensation	Auto/Manual
15	Day & Night	Auto, COLOR, B/W(Auto IR-Cut)
16	Video Interface Mode	M14 straight plug and M12 thread type
17	Network Port	10/100M network adaptive(1 x 802.11b/g/n(WiFi) interface optional)
18	Video Output	RJ45 connector
19	Analog Output	One Analog Video Output, Support CVBS standard, support PAL/NTSC
20	Operation Temperature	-20° ~ 60°
21	Work Voltage/current	DC12V/2A±10%

2. ANALOG D1 resolution D/N FIX CAM with IR -Specification

Parameter		
1	Signal System	PAL
2	Pick Up Device	1/3" SONY Effio –E Super Had II 960H CCD
3	Picture Elements H x V	NTSC:1028H*508V - PAL:1024H*596
4	Resolution	700TVL
5	Min Illumination	0Lux/ F1.0 with IR
6	Wide Dynamic Range	ATR Digital WD(ATR: Adaptive Tone-curve Reproduction)
7	Sync System	Internal
8	S/N Ratio	more than 52dB(AGC OFF)
9	Menu	OSD Control
10	Lens	8mm,12mm,16mm (vari focal –optional)MANUAL / DC
11	Electronic Shutter	AUTO(1/50(60)~1/100,000)/
12	AGC	AUTO(4 STEP)
13	White Balance	ATW/PUSH/USER1/USER2/ANTI CR/MANUAL/PUSH LOCK
14	BLC	HLC/BLC/OFF
15	Motion Detection; Privacy	ON/OFF(24*16 ZONE);ON/OFF(8 ZONE PROGRAMMABLE, MASAIC)
16	Day/Night	Auto/COLOR/B&W
17	Dynamic Noise Reduction	2D
18	Camera ID	ON/OFF
19	Synchronizing System	INTERNAL
20	Language	ENGLISH/JAPANESE./GERMAN/FRENCH/RUSSIAN/PORTUGUESE/SPANISH
21	Video output	1.0Vp-p(75Ω BNC)
22	Power supply	DC12V (±20%)
23	Storage Temperature	-30～+60

3. BASE STATION (radio) POINT TO MULTI POINT

S/No	Specification
1	**Radio Modem**
	System consisting of Outdoor & Indoor equipment, antenna, cables (RF/IF) with connectors, system software and all other hardware & software required for operation, monitoring & configuration of the link.
	It shall be carrier type OFDM Point-to-Multi point Broadband Wireless Access radio system.
	The system should be of reliable and field proven design and suitable for harsh environmental conditions.
	Should work in ISM Unlicensed Frequency Band - 5.725-5.875 Ghz
	Channel Bandwidth - 10 MHz, 20 MHz, with 5 MHz steps
	Max output power (at antenna port)
	(i) Base station: - 10 dbm to 21 dBm, 1dB steps
	(ii) CPE :-10 dBm to 21 dBm, automatically adjusted by ATPC
2	**Modulation Scheme**
	(i) BPSK, QPSK, 16-QAM and 64-QAM with Forward Error Correction (FEC)
	(ii) Should support automatic adaptive modulation, separated per CPE per direction for maximum performances
3	**Architecture**
	(i) should have option for 60 deg., 90 deg., 120 deg, and 360 deg. Antenna
	(ii) Single cable between indoor unit and outdoor Radio
	(iii) Standalone POE Option with AC/DC as per requirement
	Transmit power control - Automatic transmit power control (ATPC)
	Built in Spectrum analyzer mode at base radio
	Automatic Clear channel Selection (ACCS)
	Radio Technology – TDD OFDM
4	**Capacity and performance**
	Voice capacity : Min 50 calls per sector
	Feature to prioritize voice call and support call admission control
	Distance coverage : Min 25 Km with suitable antena (FCC/universal domains)
	Support 1600 bytes max packet size
	The system shall support multicast & unicast for video, audio
	VLAN Support : Based on IEEE 802.1Q
	VLAN Q-in-Q support
	Security : 128 -bit authentication (AES and WEP or better)
5	**Operating temperature :-**
	(i) Outdoor Unit - -40º to 55º C
	(ii) Indoor - 0º to 40º C
	(iii) Extended temperature range Indoor : -35 to 55º C
	Throughput of > 30 Mbps user throughput at peak (Capacity should not be reduced when using the built in encryption)
	> 30,000 Packets per second processing power each on the Base Station & Subscriber Unit
	Out door unit protection : IP67
6	**Base Station Antenna 60/90/120/360º vertical**
	(a) Frequency Range : 5.15 -5.875 GHz
	(b) Gain : Omni :8dBi or more, Sectorised: 15.0 dBi (min)

4. S.U./CPE

S/No	Specification
1	**Technical parameters**
	System consisting of Outdoor & Indoor equipment, antenna, cables (RF/IF) with connectors, system software and all other hardware & software required for operation, monitoring & configuration of the link.
	It shall be carrier type Point-to-point Broadband Wireless Access radio system.

	The system should be of reliable and field proven design and suitable for harsh environmental conditions.
	Should work in ISM Unlicensed Frequency Band - 5.725-5.875 Ghz Multi-band
	Channel Bandwidth - 10 MHz, 20 MHz, with 5/10 MHz steps
	Integrated Antenna
	Software Upgrade upto for higher throughput without changing the hardware on field.
	Max output power (at antenna port)-10 dBm to 21 dBm, automatically adjusted by ATPC
	Modulation Scheme
	(i) BPSK, QPSK, 16-QAM and 64-QAM with Forward Error Correction (FEC)
	(ii) Should support automatic adaptive modulation, separated per CPE per direction for maximum performances
	Transmit power control - Automatic transmit power control (ATPC)
	Built in Spectrum analyzer mode
	Radio Technology – TDD OFDM
	Capacity and performance
	Voice capacity : Min 50 calls per sector
	Distance coverage : Min 25 Km (FCC/universal domains)
	VLAN Support : Based on IEEE 802.1Q
	Security : 128 -bit authentication (AES and WEP or better)
	Out door unit protection : IP67
2	**Regulation Standard**
	ETSI DFS: EN 301 893 v.1.5.1 & EN 302 502 v.1.2.1
	Safety: UL 60950-1
	EMC: FCC part 15 class B, and ETSI EN 301 489-1
	Lightning: EN 61000-4-5, Class 3 (2kV)

5. POINT TO POINT RF LINK

S/No	Specification
1	**Radio Modem**
	System consisting of Outdoor & Indoor equipment, antenna, cables (RF/IF) with connectors, system software and all other hardware & software required for operation, monitoring & configuration of the link.
	It shall be carrier type Point-to-point Broadband Wireless Access radio system.
	The system should be of reliable and field proven design and suitable for harsh environmental conditions.
	The system shall support Flexible Quality of Services and concurrent use of voice & data applications.
	The System should have ETA certificate from WPC-India.Same should be submitted alongwith the bid
	Should work in ISM Unlicensed Frequency Band - 5.825-5.875 Ghz Multi-band
	Channel Bandwidth - 10 Mhz, 20 MHz
	Bandwidth: upto 35 Mbps Net and should be software upgradable upto 73 Mbps if required at later stage without the change of HW
	Max output power: upto 21 dBm
	External Anenna : Antenna Port: N Type, 50 Ohm
	> 30,000 Packets per second processing power each on the Base Station & Subscriber Unit
	Data Standard Compliance : IEEE 802.3 CSMA/CD
	Modulation SchemeBPSK, QPSK, 16-QAM and 64-QAM with Forward Error Correction (FEC)
	Transmit power control - Automatic transmit power control
	Built in Spectrum analyzer
	Radio Technology – TDD OFDM
	Management Options: TELNET/ SNMP based/ NMS
	Remote Management: wired and wireless
	SNMP Agent: SNMP V1 Client, MIB II, Bridge MIB
	VLAN Support : Based on IEEE 802.1Q
	Security : 128 -bit authentication (AES and WEP or better), IP Level Filtering
	Power Consumption: not more than 25W
	Input Power: AC with PoE
	Out door unit protection : IP67

2	**Regulation Standard**
	ETSI DFS: EN 301 893 v.1.5.1 & EN 302 502 v.1.2.1
	Safety: UL 60950-1, EN 60950-1
	EMC: FCC part 15 class B
	Lightning: EN 61000-4-5, Class 3 (2kV)
	Operating temperature
	(i) Outdoor Unit : -40º to 55º C
	(ii) Indoor : 0º to 40º C

6. Personal Computer – For CCR

S/No	Features	Specifications Required
1	Processor	Intel i3 or Better
2	Chipset	Intel Chipset
3	Memory	4 GB DDR3 Memory
4	Connectors	Three SATA
5	O.S. Disk	1Tb SATA Hard Disk x 2 nos
6	Optical	DVD RW
7	Display	No. of Displays supported – 2 nos. Graphics Card (2GB Memory)
8	Monitor	17"Monitor, with HDMI/DVI input
9	Ports	Front Ports: Two USB 2.0, microphone, headphone
10	Ports	Rear Ports: Eight USB 2.0, two USB 3.0, one serial (9-pin), one ethernet (RJ-45), three analog audio ports
11	Ports	Audio: High Definition (HD) Audio
12	Speaker	Internal speaker for business audio
13	Ethernet	Ethernet: One onboard gigabit Ethernet
14	Power Supply	550 watts with variable speed fan Cooler Master ,
15	Operating System	Microsoft Windows 7 Professional 64 bit preloaded
16	Warranty	3 Years Comprehensive 4 hrs Support

7. Digital Video recorder for Fix CAM

S/No.	Operation Mode		Penta plex
1	Video	Camera Input	BNCx4
		Image Resolution	Up to 1024x768 pixel (VGA/HDMI) NTSC:720x480,PAL:720X567(BNC)
		BNC Output	Main Monitor x1 NTSC:720x480,PAL:720X567/ Call Monitor x1
		VGA Output	1024x768 , 1280x1024
		HDMI Output	1024x768 , 1280x1024 , 1080P(Full HD Resolution)
		Display Image	Up to 1080P pixel (Full HD Resolution)
		Display Rate	PAL:100FPS / NTSC:120FPS
		Digital Zoom	Yes
2	Audio	Input	D-SUBx4
		Main Output	Main Audio:RCAx1 / Call Audio:RCAx1
3	Record- ing	Resolution (PAL)	50PPS / 720×576 pixel 100PPS / 720×288 pixel
		Resolution (NTSC)	60PPS / 720×480 pixel 120PPS / 720×240 pixel
		Mode	Manual/Alarm/Schedule/Motion/Easy Recording

		Quality	8 levels Presets, Adjustable
		Data Life Time	Yes
4	Storage	Media	Max. 1 x SATA HDD Disk
		Backup	1 x USB 2.0 Port support Thumb Drive / USB CD-RW, DVD±RW / USB HDD, network download
5	Alarm	Input / Output	4 x D-SUB / 1 x D-SUB
		Motion Detection	15x15 Grid Array, Sensitivity, Trigger Level adjustable
		Video Loss Detection	Programmable
6	Communication	Network	RJ45, 10/100/1000Mbps Ethernet, support PPPoE, DHCP/ DDNS
		Remote Operation	Monitor, Playback, Recording, System Setup, Speed dome Camera, Archive
		I/O Port	RS-485 (Pelco P, Pelco D, Dynacolor, Panasonic, JVC)
		Control Interface	IE Browser, IR remote control, Front panel button, Mouse(Option)
7	Others	Power	DC12V/3A
		Dimension(m/m)	220x225x50(mm)
		Weight(Kg)	Approx, 0.797 Kg / 5pcs per carton
		Operating Temperature	0~60degC

8. junction boxes

S/No	Specification
1	All the junction boxes shall be out door (IP66) type with protection from the rain, water and theft. Should have proper lock and key, suitable to mount the switches and required UPS & Servo. The junction box shall be floor mount type with required mounting accessories. power for the camera is required. Should have space for Power Adapter, POE Ejector for camera, etc.